

L-Series Liquid Meters and Controllers

MULTIVARIATE LIQUID FLOW MEASUREMENT AND CONTROL IN REAL-TIME



*NIST-traceable accuracy to
±2% of full scale*

*No warm-up
required*

*Steady state control
2–100% of full scale*

*30 millisecond
response times*

L-Series Liquid Meters and Controllers

ULTRA-FAST CONTROL AND MEASUREMENT

Alicat can make a high quantity of custom controllers or meters tailored specifically to your application.



L/C Meter or Controller

Measure or maintain stable control of liquid volumetric flow rate or pressure. Compatible with water, methanol, iso-propanol, ethanol, ammonia, dimethylether, iso-pentane, thiophene, iso-octane, and heptane.



LB Portable

Calibrate, verify, or validate your process on-the-go with an 18 hour rechargeable battery and an intuitive interface.

Quick Specifications:

Available Full Scale Ranges:

0.5 CCM to 10 LPM

Accuracy:

±2% of full scale

Steady State Control Range:

2–100% of full scale

Response Time:

10 ms measurement response;

30ms control response

Repeatability:

±2% of full scale

Analog Outputs:

0–5 Vdc, 0–10 Vdc, 4–20 mA

Digital Communications:

RS–232, RS–485, DeviceNet, EtherCAT, EtherNet/IP, Modbus RTU, TCP/IP, PROFIBUS

Solid stability and responsiveness:

- Instant on, ready in 1 second
- All flow data visible on one screen (flow, pressure, temp)
- Controller PID valve tuning for best speed and stability

Product Dispensing

- Dispense liquid products over a wide range of flow rates with the optional Precision Dispensing Package
- Rapid valve response accommodates changing flow requirements and short dispensing periods
- Digital feedback from PLC or PC allows real-time changes to maintain optimal process conditions

